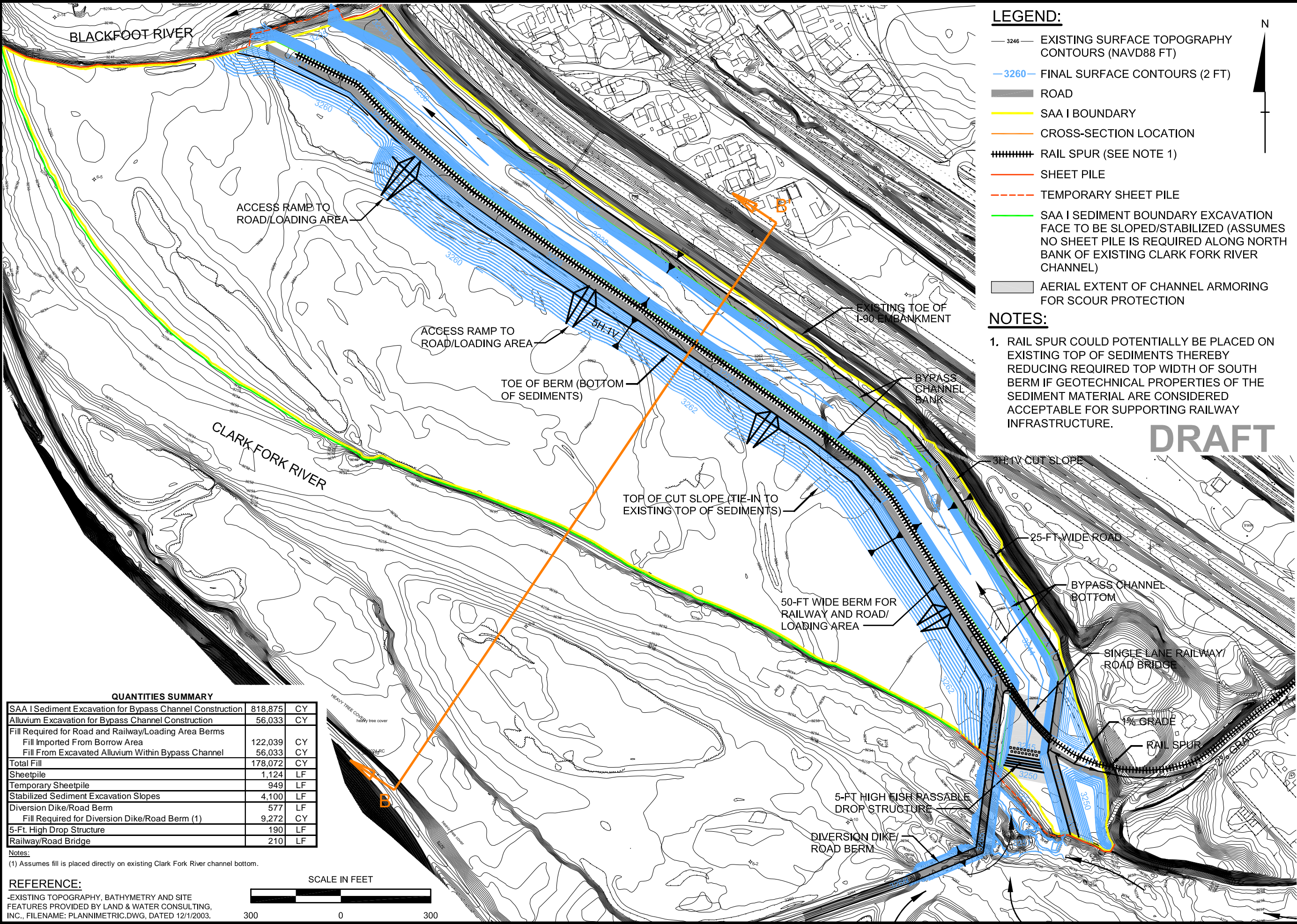


## **APPENDIX B**

### **Conceptual Figures**





CONCEPTUAL PLAN VIEW OF FULL BYPASS CHANNEL  
MILLTOWN RESERVOIR SEDIMENTS SITE  
PREPARED FOR  
**ATLANTIC RICHFIELD COMPANY**  
BUTTE, MONTANA

**FIGURE B-1**

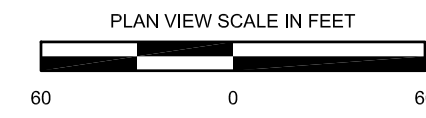
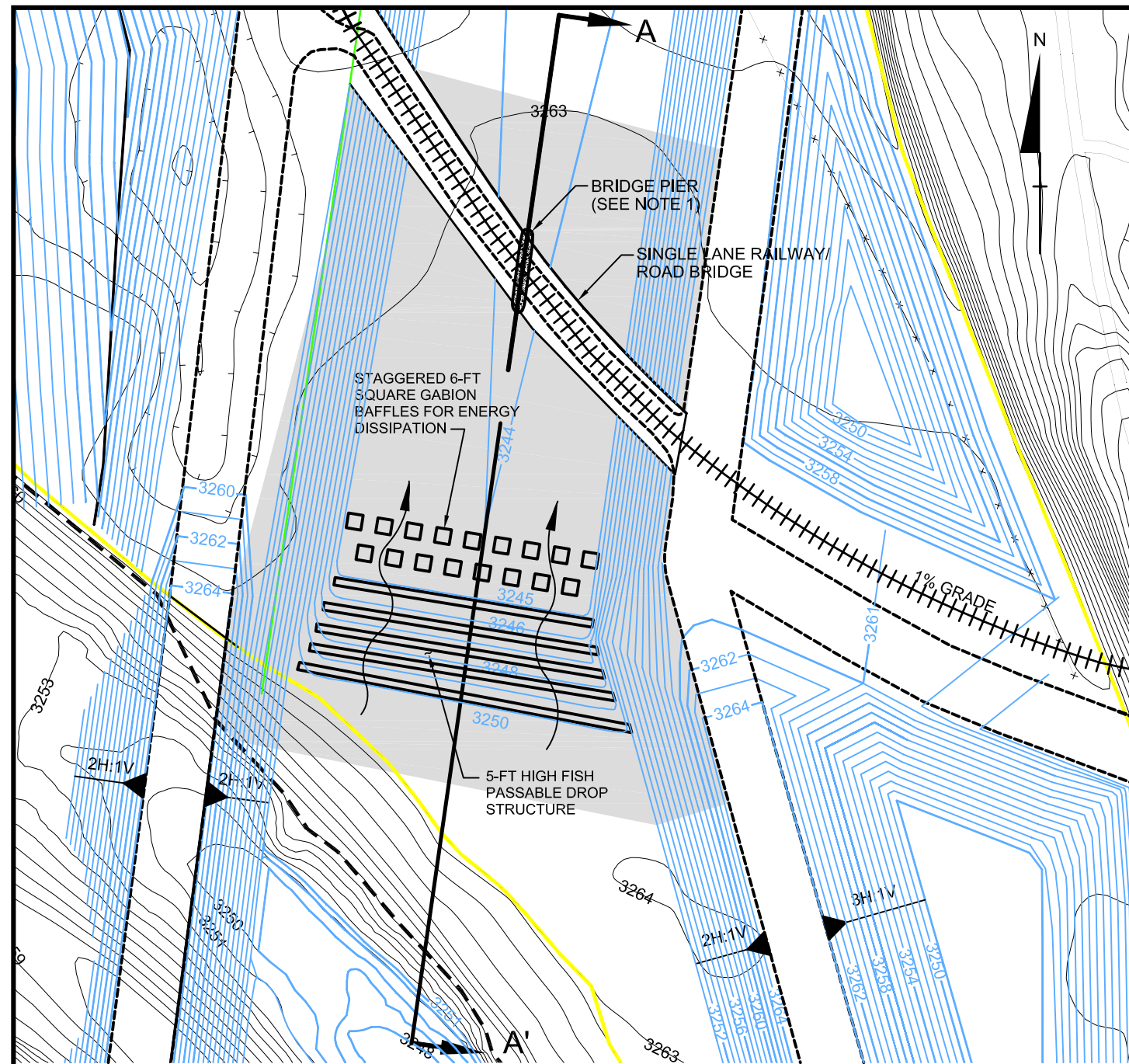
ISSUED FOR SCOUR EVALUATION REPORT.

Revision:  
REV 1

Drawn: C.L.V.  
Checked: T.S.L.  
Approved: D.G.B.  
Date: 4/16/04  
Dwg. No.: 1065-B60

**ENVIROCON**  
101 INTERNATIONAL WAY  
MISSOULA, MONTANA 59808



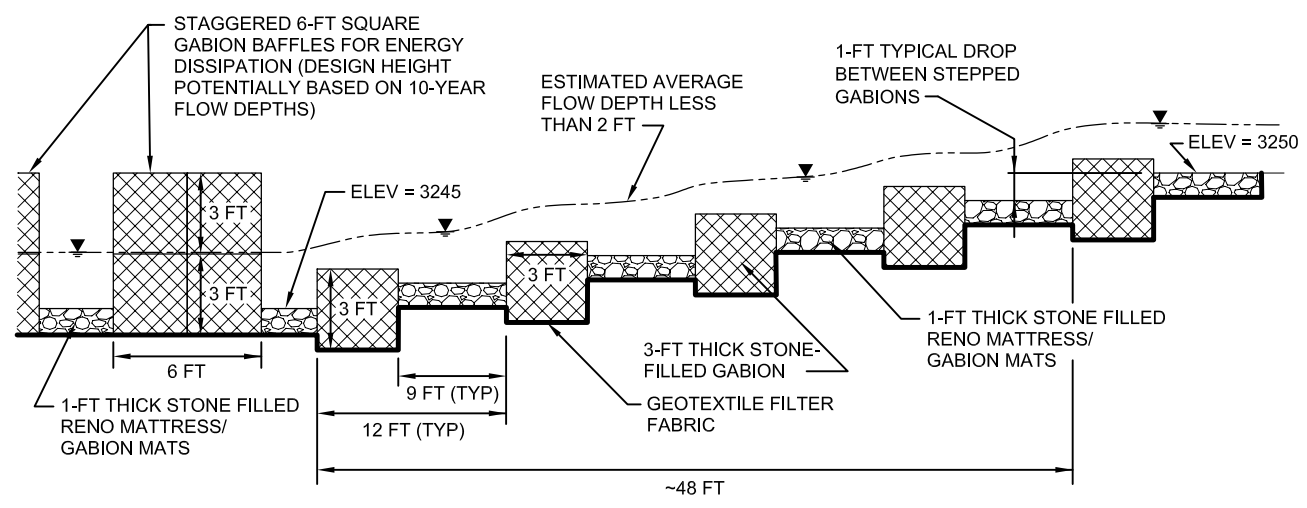


LEGEND:

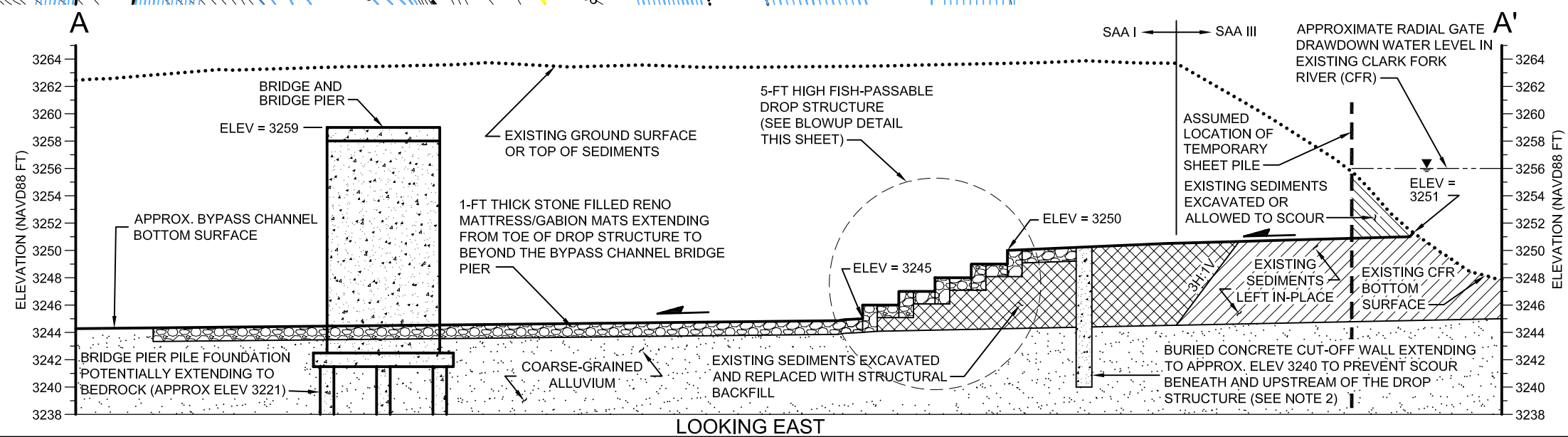
- 3246 — EXISTING SURFACE TOPOGRAPHY CONTOUR (NAVD88 FT)
- 3260 — FINAL SURFACE CONTOURS (1 FT)
- ROAD
- SAA I BOUNDARY
- ++++ RAIL SPUR (SEE NOTE 3)
- TEMPORARY SHEET PILE
- AERIAL EXTENT OF CHANNEL ARMORING FOR SCOUR PROTECTION

NOTES:

1. A SINGLE BRIDGE PIER IS ASSUMED FOR THIS CONCEPTUAL DESIGN AND NOT BASED ON DETAILED ANALYSIS. THE FINAL NEED FOR AND NUMBER OF PIERS REQUIRED FOR THE BRIDGE WILL BE DETERMINED IN THE FINAL DESIGN.
2. THE FINAL DEPTH OF THE BURIED CONCRETE CUT-OFF WALL WILL BE RE-EVALUATED IN THE FINAL DETAILED DESIGN BASED ON MAXIMUM UPSTREAM SCOUR DEPTHS AND GEOTECHNICAL PROPERTIES OF THE UNDERLYING COARSE-GRAINED ALLUVIUM MATERIAL.
3. RAIL SPUR COULD POTENTIALLY BE PLACED ON EXISTING TOP OF SEDIMENTS THEREBY REDUCING REQUIRED TOP WIDTH OF SOUTH BERM IF GEOTECHNICAL PROPERTIES OF THE SEDIMENT MATERIAL ARE CONSIDERED ACCEPTABLE FOR SUPPORTING RAILWAY INFRASTRUCTURE.

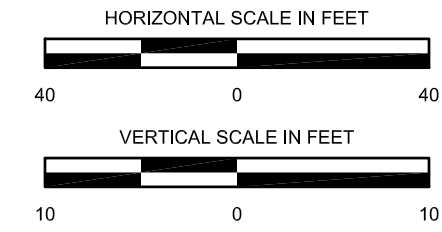


CONCEPTUAL FISH-PASSABLE DROP STRUCTURE BLOWUP DETAIL (TYPICAL, NOT TO SCALE)



LOOKING EAST

DRAFT

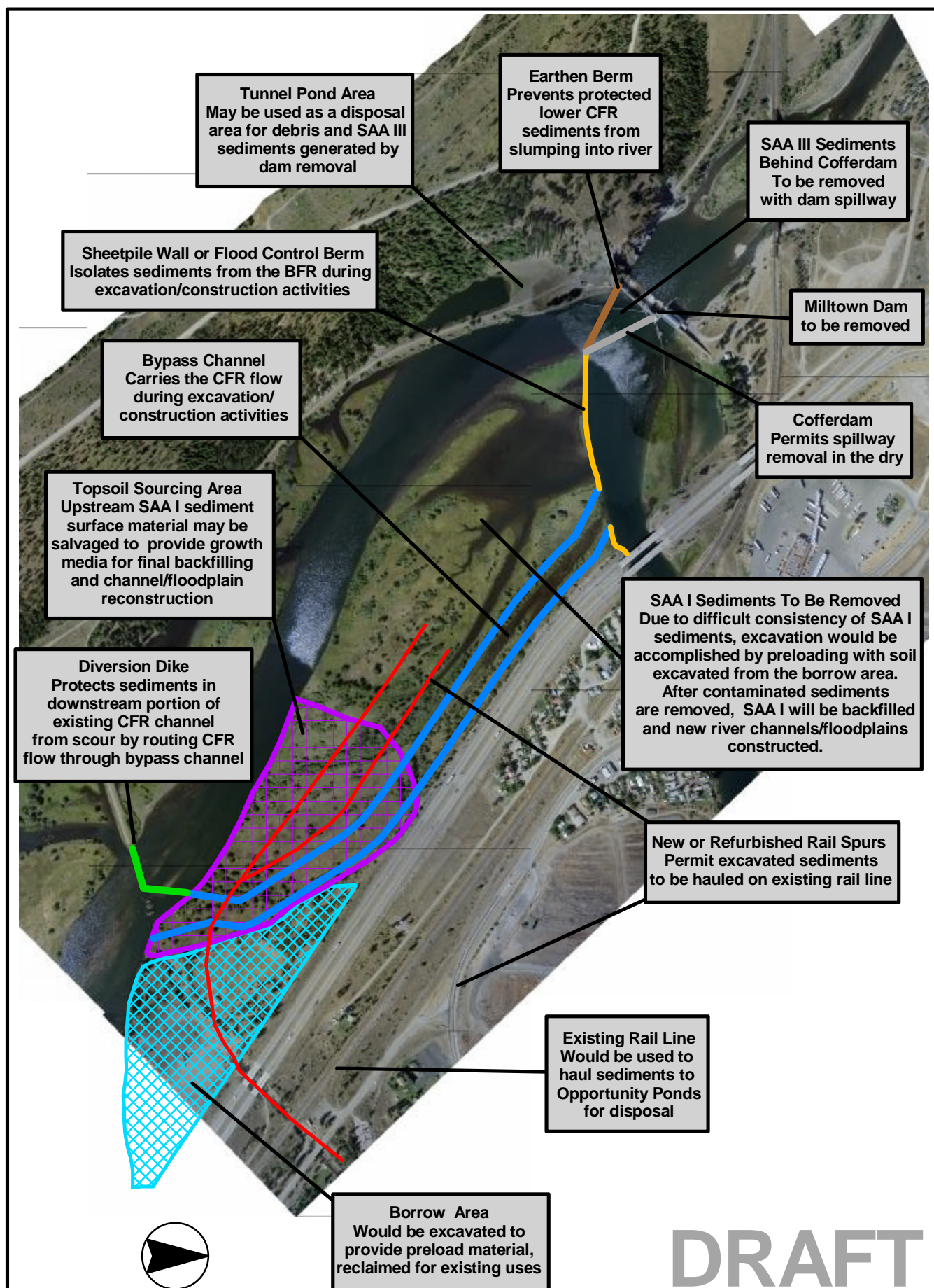


REFERENCE:

-EXISTING TOPOGRAPHY, BATHYMETRY AND SITE FEATURES PROVIDED BY LAND & WATER CONSULTING, INC., FILENAME: PLANNIMETRIC.DWG, DATED 12/1/2003.

FIGURE B-2





DRAFT

Drawn: JJ	FIGURE B-3	Revision 1
Checked: TW		
Approved: DGB		
Date: 05-05-04		
Dwg. No: F2	ISSUED FOR: REVISED PRELIMINARY DRAFT ROD/RA STATEMENT OF WORK	

CONCEPTUAL MODEL OF SCENARIO 4 CLEANUP PLAN  
MILLTOWN RESERVOIR SEDIMENTS SITE

PREPARED FOR  
ATLANTIC RICHFIELD COMPANY  
BUTTE, MONTANA

ENVIROCON

101 INTERNATIONAL WAY  
MISSOULA, MONTANA 59808

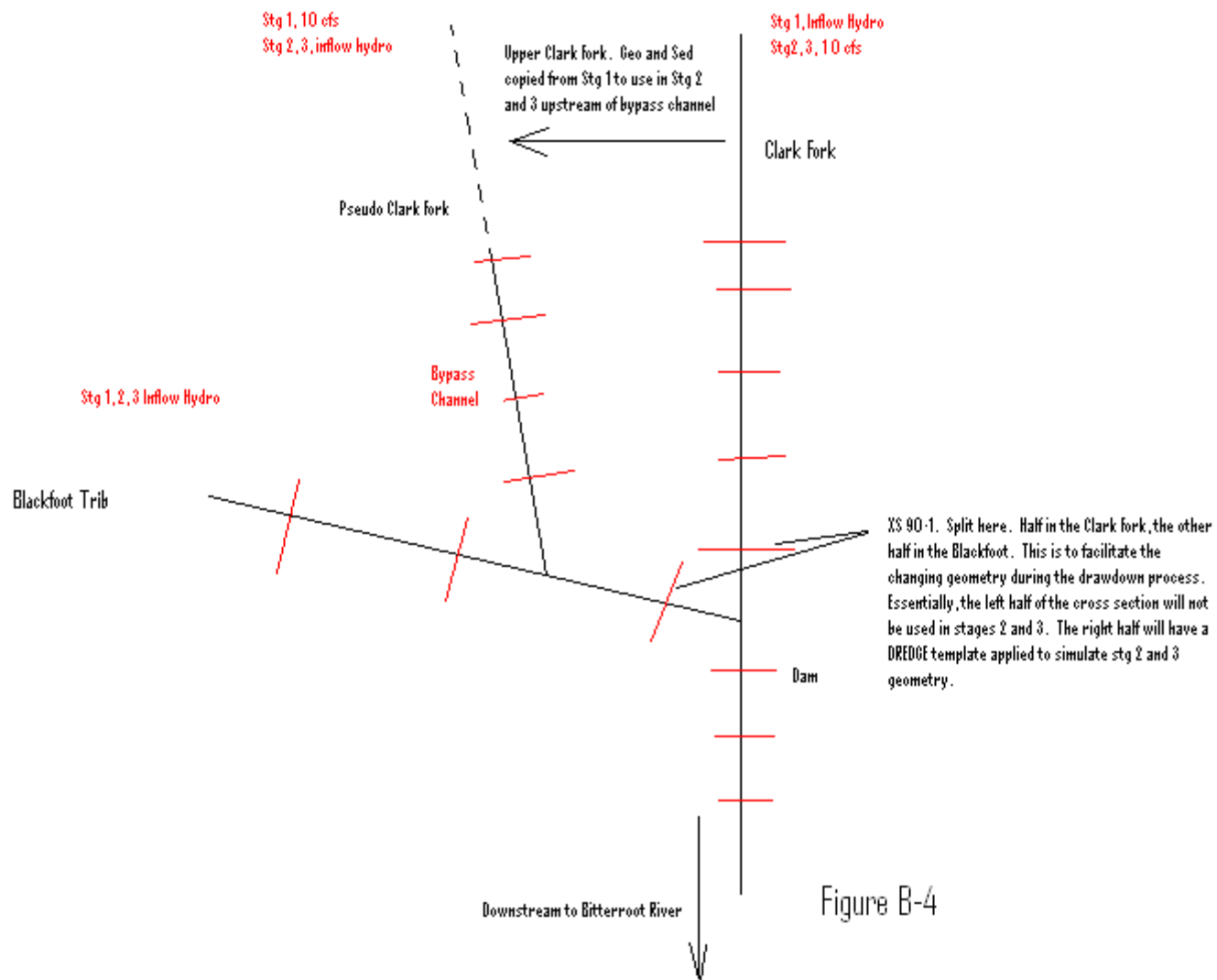


Figure B-4





Legend

- Bedrock Elevation Estimate Location
- 3220 Bedrock Elevation Estimate

DRAFT

